

10/630,871

EAST SEARCH NOTES (cont.)

Part (I) SEARCH STRATEGY

Part (II) SEARCH RESULTS

Part (II) Results Identified As Follows

- (1) PARTIALLY RELEVANT [potential Y or A] DOCUMENTS
- (2) HIGHLY RELEVANT [potential X, Y or A] DOCUMENTS
- (C) DOCUMENTS CITED BY EXAMINER ON FORM PTO-892
- (3) DOCUMENTS CITED BY APPLICANT ON FORM PTO-1449

H 101630871
(1/2)

	Hits	Search Text	DBs
1	404	(355/18).CCL.S.	USPAT; US-PGPUB
2	379	(355/35).CCL.S.	USPAT; US-PGPUB
3	170	(355/44).CCL.S.	USPAT; US-PGPUB
4	264 3	(355/53).CCL.S.	USPAT; US-PGPUB
5	1612	(355/67).CCL.S.	USPAT; US-PGPUB
6	458	(355/66).CCL.S.	USPAT; US-PGPUB
7	1374	(355/71).CCL.S.	USPAT; US-PGPUB
8	586	(359/224).CCL.S.	USPAT; US-PGPUB
9	756	(359/291).CCL.S.	USPAT; US-PGPUB
10	363	(359/855).CCL.S.	USPAT; US-PGPUB
11	1	("6097361").PN.	USPAT; US-PGPUB
12	15	9804950\$.did.	EPO; DERWENT
13	17	CEBUHAR-w\$.IN. OR HINTERSTEINER-j\$.IN. OR LATYPOV-a\$.IN. OR VOLPE-g\$.IN.	USPAT; US-PGPUB
14	42	anvik.AS.	USPAT; US-PGPUB
15	3	anvik.AS. and ((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1))	USPAT; US-PGPUB
16	1	anvik.AS. and (mask\$1less (direct adj write) direct\$1write) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
17	1	anvik.AS. and (mask\$1less (direct adj write) direct\$1write) and ((grayscale (gray adj scale) gray\$1scale))	USPAT; US-PGPUB
18	31	(asml ADJ holding).AS.	USPAT; US-PGPUB
19	0	((355/18).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
20	0	((359/855).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
21	140	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1))	USPAT; US-PGPUB
22	59	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) same (control\$4 increas\$3))	USPAT; US-PGPUB
23	53	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and (((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) and (resolution ((exposure (first and second)) same (modulat\$3 overla\$4 superpos\$3 superimpos\$3)))	USPAT; US-PGPUB
24	13	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) and ((pulse\$1 near2 (width duration)))	USPAT; US-PGPUB
25	8	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and (((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) and ((pulse\$1 near2 (width duration)) same (varying modulat\$3 vari\$5))	USPAT; US-PGPUB
26	31	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) and (filter\$1 same ((constant adj intensity) constant\$1intensity density))	USPAT; US-PGPUB
27	11	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) and ((varying modulating) same (time duration power) same (exposure pulse beam))	USPAT; US-PGPUB
28	6	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) same ((varying modulating) same (time duration power) same (exposure pulse beam))	USPAT; US-PGPUB

H101630,871
(2/2)

	Hits	Search Text	DBs
29	2	((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) AND lithograph\$2	EPO; JPO; DERWENT
30	1	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and ((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1))	EPO; JPO; DERWENT
31	1	((mask\$1less ((direct adj write) direct\$1write) (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)) and (((grayscale (gray adj scale) gray\$1scale intensity irradiance illumination brightness) near2 (level\$1 step\$1)) same (control\$4 increas\$3))	EPO; JPO; DERWENT
32	19	(grayscale (gray adj scale) gray\$1scale) AND lithograph\$2	EPO; JPO; DERWENT
33	3	((355/18).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
34	5	((355/35).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
35	5	((355/44).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
36	74	((355/53).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
37	4	((355/66).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
38	43	((355/67).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
39	21	((355/71).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
40	15	((359/224).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
41	22	((359/291).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
42	6	((359/855).CCL.S.) and (((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1)) same (control\$4 increas\$3)) ((mask\$1less (direct adj write) direct\$1write (without near2 (mask reticle)) digital) same (lithograph\$2 photo\$1lithlogaph\$2)))	USPAT; US-PGPUB
43	0	((355/18).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
44	6	((355/35).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
45	3	((355/44).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
46	4	((355/53).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
47	0	((355/66).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
48	8	((355/67).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
49	5	((355/71).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
50	4	((359/224).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
51	24	((359/291).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
52	0	((359/855).CCL.S.) and ((grayscale (gray adj scale) gray\$1scale) near2 (level\$1 step\$1))	USPAT; US-PGPUB
53	5	("6593064") or ("6515734") or ("6134008") or ("5936713") or ("5298365").PN.	USPAT; US-PGPUB
54	9	("5298365" "5418599" "5815221" "5844588" "5936713" "5939713" "6134008" "6515734" "6593064").PN.	USPAT; US-PGPUB
55	1	("5298365" "5418599" "5815221" "5844588" "5936713" "5939713" "6134008" "6515734" "6593064").PN. and (grayscale (gray adj scale) gray\$1scale)	USPAT; US-PGPUB

	1	2	C	3	Document ID v	Title	Current OR
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	WO 9804950 A1	SEAMLESS, MASKLESS LITHOGRAPHY SYSTEM USING SPATIAL LIGHT MODULATOR	
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6778257 B2	Imaging apparatus	355/67
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6774983 B2	Distributed projection system	355/67
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6741384 B1	Control of MEMS and light modulator arrays	359/291
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6717650 B2	Maskless lithography with sub-pixel resolution	355/53
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6707534 B2	Maskless conformable lithography	355/53
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6690499 B1	Multi-state light modulator with non-zero response time and linear gray scale	359/238
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6630290 B2	Lithography using quantum entangled particles	430/321
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6498685 B1	Maskless, microlens EUV lithography system	359/626
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6312134 B1	Seamless, maskless lithography system using spatial light modulator	359/855
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6312134 B	Maskless lithography system for large area substrate - has multi-position spatial light modulator directing light from source through projection system to produce momentarily selected composite polygonal spatial light pattern image	
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6097361 A	Photolithographic exposure system and method employing a liquid crystal display (LCD) panel as a configurable mask	345/87
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5936713 A	Method and device for producing features on a photolithographic layer	355/67
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5844588 A	DMD modulated continuous wave light source for xerographic printer	347/135
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5691541 A	Maskless, reticle-free, lithography	250/492.1
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20040125346 A1	Micromirror elements, package for the micromirror elements, and projection system therefor	353/98
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20040090675 A1	Printer and a method for recording a multi-level image	359/483
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20030210383 A1	Maskless conformable lithography	355/53
19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20030179352 A1	Lithographic apparatus and device manufacturing method	355/53
20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20030030781 A1	Imaging apparatus	355/67
21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	EP 1316850 A	Lithographic apparatus for microelectronic device manufacturing, simultaneously projects two beams with different patterns and intensities	

(H) 10/630871